



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

IM22/0810

Reginald F Roberts Jr.  
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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/518,933	03/03/00	002	SAVAGE, M	1723 08/10/01
First Named Applicant	ZAPPE,	35 USC 154(b) term ext. =		

TITLE OF INVENTION: ADJUSTABLE CONTINUOUS FILTRATION SYSTEM FOR COOKING FATS AND COOKING OILS

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
I R-205-D	210-690.000	K39	UTILITY	YES	\$520.00	11/13/01

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

**I. Review the SMALL ENTITY status shown above.**

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above; or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

**II. Part B-Issue-Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.**

**III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.**

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

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*N61*

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/518,933	03/03/00	ZAPPE	R-205-D

Reginald F Roberts Jr.  
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IM22/0810

EXAMINER

SAVAGE, M

ART UNIT

PAPER NUMBER

1723

DATE MAILED:

08/10/01 *14*

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

*N*  
*E*

# Notice of Allowability

Application No.

09/518,933

Examiner

Matthew O Savage

Applicant(s)

ZAPPE, RONALD J

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 6-11-01.
2. ☒ The allowed claim(s) is/are 16 and 20.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
  - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☒ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

- |  |   |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 3 <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 4 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. _____  |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____               | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment                  |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
|  | 9 <input type="checkbox"/> Other  |

Matthew O Savage  
Primary Examiner  
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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Reginald Roberts on 8-9-01.

<sup>1</sup>  
~~18.~~ (amended) A method for controlling quality of a fluid which is to be purified, the method comprising the steps of:

- <sup>1</sup>  
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- (a) providing a filter for filtering the fluid;
  - (b) conveying a first portion of [the] unfiltered fluid to the filter through a first passageway;
  - (c) discharging [a portion of] filtered fluid from the filter and a second portion of unfiltered fluid through a second passageway;
  - (d) controlling proportions of the fluid flowing through the first and second passageways;
  - (e) analyzing the fluid discharged through the second passageway by determining acid content of the fluid;
  - (f) increasing the proportion of fluid flowing through the first passageway which is conveyed to the filter if the acid content of the fluid discharged [fluid] through the second passageway is above industry standards; and
- 17 E

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(g) decreasing the proportion of the fluid [wich] flowing through the first passageway which is conveyed to the filter through the first passageway if the acid content of the discharged fluid is appreciably below industry standards.

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<sup>2</sup>  
~~20.~~ (amended) A method for controlling quality of a fluid which is to be purified, the method comprising the steps of:

- E<sup>2</sup>
- (a) providing a filter for filtering the fluid;
  - (b) conveying a first portion of [the] unfiltered fluid to be filtered to the filter through a first passageway;
  - (c) discharging [a portion of] filtered fluid from the filter and a second portion of unfiltered fluid through a second passageway;
  - (d) controlling proportions of the fluid flowing through the first and second passageways;
  - (e) analyzing the fluid discharged through the second passageway by determining free fatty-acid content of the fluid;
  - (f) increasing the proportion of fluid flowing through the first passageway which is conveyed to the filter if the free fatty-acid content of the fluid discharged [fluid] through the second passageway is above industry standards; and
  - (g) decreasing the proportion of the fluid flowing through the first passageway which is conveyed to the filter through the first passageway if the free fatty-acid content of the discharged fluid is appreciably below industry standards.
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The first paragraph of page 1 of the specification has been rewritten as --

*8-10-01*  
*E 3*  
This application is a divisional of U.S. Patent Application serial number 09/206,204 filed on December 5, 1998, now abandoned, which was a continuation-in-part of U.S. Patent Application serial number 09/010,272 filed on January 21, 1998, now U.S. Patent 5,846,409. --.

*E 4*  
On line 26 of page 11 of the specification, --The proportion of the fluid flowing through the third passageway 8 to the filter 14 is increased by opening orifice 3 if the free fatty-acid content of the fluid discharged through the fifth passageway 12 is above industry standards; and the proportion of the fluid flowing through the third passageway 8 to the filter 14 is decreased by closing the orifice 3 if the free fatty-acid content of the fluid discharged through the fifth passageway 12 is below industry standards. -- has been inserted after "8."

The title has been changed to --METHOD OF CONTROLLING THE FATTY ACID CONTENT OF COOKING FATS OR COOKING OILS--.

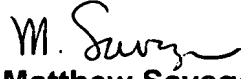
The following is an examiner's statement of reasons for allowance: Carruthers is considered the closed prior art with respect to claims 16 and 20, however, Carruthers fails to teach or suggest steps e)-g) as recited in those claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any questions regarding this communication should be directed to Matthew Savage on 703-308-3854 between the hours of Monday-Friday from 7:00 am to 3:30 pm. The Group 1700 fax numbers are 703-872-9310 for regular responses, and 703-872-9311 for after final responses.

  
**Matthew Savage**  
**Primary Examiner**  
**Art Unit 1723**

August 1, 2001

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